

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (2/98)

Approved for use through 09/30/00. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(h))</small>		Attorney Docket No. 06192.0164.NPUS00	
		First Named Inventor or Application Identifier Jang-Kun SONO	
		Title	Thin Film Transistor Array Substrate For Liquid Crystal Display And Method For Fabricating The Same
		Express Mail Label No.	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents</small>		Assistant Commissioner for Patents <b>ADDRESS TO:</b> Box Patent Application Washington, DC 20231	
<div>1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082) <small>(Submit an original and a duplicate for fee processing)</small></div> <div>2. <input checked="" type="checkbox"/> Specification [Total Pages 23] <small>(preferred arrangement set forth below)</small><ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R&amp;D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claims</li><li>- Abstract of the Disclosure</li></ul></div> <div>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 13]</div> <div>4. Oath or Declaration [Total Pages] <div>a. <input type="checkbox"/> Newly executed (original or copy)</div><div>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 17 completed)</small> <small>[Note Box 5 below]</small></div><div>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></div></div> <div>5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) <small>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</small></div>		<div>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</div> <div>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)<ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identity of above copies</li></ul></div>	
<b>ACCOMPANYING APPLICATION PARTS</b>			
<div>8. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</div> <div>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></div> <div>10. <input type="checkbox"/> English Translation Document (if applicable)</div> <div>11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</div> <div>12. <input type="checkbox"/> Preliminary Amendment</div> <div>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <small>(should be specifically itemized)</small></div> <div>14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired</div> <div>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></div> <div>16. <input type="checkbox"/> Other:</div>			
<small>*NOTE FOR ITEMS 1 &amp; 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)</small>			
17. If a <b>CONTINUING APPLICATION</b> , check appropriate box and supply the requisite information: <div><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: /</div> <div>Prior Application Information: Examiner: Group/Art Unit:</div>			
<b>18. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label 22930 or <input type="checkbox"/> Correspondence address below <small>(Insert Customer No. or Attach bar code label here)</small>			
NAME		Michael J. Bell	
		HOWREY SIMON ARNOLD & WHITE, LLP	
ADDRESS		Box No. 34	
		1299 Pennsylvania Avenue, N.W.	
CITY	Washington	STATE	DC
COUNTRY	US	TELEPHONE	202-783-0800
		ZIP CODE	20004-2402
		FAX	202-383-7195
Name (Print/Type)	Michael J. Bell	Registration No. (Attorney/Agent)	39,604
Signature	<i>Michael J. Bell</i> (44,483) FOR	Date	May 14, 2001



05/14/01



1299 PENNSYLVANIA AVE., NW  
WASHINGTON, DC 20004-2402  
PHONE 202.783.0800  
FAX 202.383.6610  
A LIMITED LIABILITY PARTNERSHIP

May 14, 2001

**Box New Applications**

Assistant Commissioner for Patents  
Washington, DC 20231



Re: New Utility Non-Provisional U.S. Patent Application  
Application No. **TO BE ACCORDED** Filed **HEREWITH**  
Title: **THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR  
LIQUID CRYSTAL DISPLAY AND METHOD FOR FABRICATING THE SAME**  
Inventors: **Jang-Kun SONG, et al.**  
Our Ref: **06192.0164.NPUS00**

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO SB/05;
2. Form PTO 1082;
3. U.S. Utility Patent Application entitled:

**THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR LIQUID CRYSTAL  
DISPLAY AND METHOD FOR FABRICATING THE SAME**

and naming as inventors: **Jang-Kun SONG  
Yong-Woo CHOI**

the application consisting of:

a. A specification containing:

- (i) 15 pages of description prior to the claims;
- (ii) 7 pages of claims (**25** claims);
- (iii) a **one** (1) page abstract;

b. 13 sheets of drawings: (**Figures 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 6A,  
6B, 7, 8 and 9**);

***Box New Applications***

Attorney Docket No. 06192.0164.NPUS00

May 14, 2001

Page 2

4. Two (2) return postcards

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

**This patent application is being submitted under 37 C.F.R. § 1.53(b) without Declaration and without filing fee.**

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, and/or credit our Deposit Account No. 08-3038 referencing docket number 06192.0164.NPUS00. *A copy of this letter is enclosed.*

Respectfully submitted,

*Derek Hardier (44,483)*

For Michael J. Bell  
Registration No. 39,604

Enclosures

**HOWREY SIMON ARNOLD & WHITE, LLP**  
**Box No. 34**  
**1299 Pennsylvania Avenue, NW**  
**Washington, DC 20004-2402**  
**(202) 783-0800**

Attorney Docket No. 06192.0164.NPUS00

ASSISTANT COMMISSIONER FOR PATENTS  
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: **Jang-Kun SONG and Yong-Woo CHOI**

For: **THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR LIQUID CRYSTAL DISPLAY**  
**AND METHOD FOR FABRICATING THESAME**

Enclosed is a new application comprising:

- ☒ A specification containing: 15 pages of description prior to the claims; 7 pages of claims (**25 claims**); a one (1) page abstract; 13 sheets of drawings (**Figures 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7, 8 and 9**);
- ☒ PTO SB/05

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	25-20 =	* 5
INDEP. CLAIMS	2 -3 =	* 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	
	\$ 345.00
x 9 =	
x 39 =	
+ 130 =	
TOTAL	

OTHER THAN A SMALL ENTITY	
RATE	FEE
	\$ 710.00
x 18 =	90.00
x 80 =	
+ 270 =	
TOTAL	\$ 800.00

- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing and extra claims fees is enclosed
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number 06192.0164.NPUS00. *A duplicate of this sheet is enclosed.*
- ☒ Any patent application processing fees under 37 CFR 1.17
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Date May 14, 2001For David J. Bell (44,483)Michael J. Bell  
Registration No. 39,604